

FORM PTO-1449
Equivalent

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 520.32696CX3
SERIAL NO.: (not yet assigned)
APPLICANT: I. ARAI, et al
FILING DATE: March 10, 1999
GROUP:

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NO.	DATE	NAME	CLASS SUBCLASS	FILING DATE IF APPROPRIATE
RP	5,550,966	8/96	Drake et al		
RP	5,483,255	1/96	Numao		
RP	5,457,473	10/95	Arai, et al		
RP	5,353,423	10/94	Hamid et al		
RP	5,317,691	5/94	Traeger		
RP	5,276,875	1/94	Satoh		
RP	5,010,238	4/91	Kadono et al		
RP	4,922,448	5/90	Kunieda et al		
RP	4,747,041	5/88	Engel et al		
RP	4,991,023	2/91	Nicols		
RP	4,800,376	1/89	Suga et al		
RP	4,047,158	9/77	Jennings		

FOREIGN PATENT DOCUMENTS

DOCUMENT NO.	DATE	COUNTRY	CLASS SUBCLASS	TRANSLATION
RP DE 43 36 116 A1	5/94	Germany		
RP DE 37 22 169 A1	1/89	Germany		
RP 1-321475	12/89	Japan		
RP 61-84688	4/86	Japan		
RP 3-261995	11/91	Japan		
RP 5-46106	2/93	Japan		
RP 2-250576	10/90	Japan		
RP 5-232918	9/93	Japan		
RP 3-56931	3/91	Japan		
RP 3-116093	5/91	Japan		X
RP 0612053A1	8/94	European		

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Examiner

RAYMOND PHAN

Date Considered

7-19-99

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.